Mezhrespublikanskoye koordinatsionnoye soveshchaniye (Interrepublican Coordination Conference) of Scientists of Transcaucasia

S/030/60/000/06/11/043
B004/B008

The versatile agriculture of Transcaucasia requires investigations regarding the mechanization of mountain agriculture, stock farming, and the agronomy of perennial plantations, study of heredity, cultivation of seeds, the control of parasites. Physicians of Transcaucasia will deal with local pathology (dysentery, helminthiasis, leishmaniosis, malaria), with the spas in Transcaucasia, working hygiene, industrial and agricultural profession diseases, as well as the application of new medical preparations. The problems of geratology too are to be dealt with jointly.

Card 3/3

VOLOBUYEV, V.R.

General characteristics of changes in the salt resources of soils in irrigated and reclamed lands. Pochvovedanie no.5:47-56 My '64. (MIRA 17:9)

1. Institut pochvovedniya i agrokhimii Akademii nauk Azerbaydzhanskoy SSR.

VOLOBUYEV, Vladimir Rodionovich; SALAYEV, M.E., red.

[Genetic forms of salinized soils in the Kura-Aras Lowland] Geneticheskie formy zasoleniia pochv Kura-Araksirskoi nizmennosti. Baku, Izd-vo AN Azerbaidzh.SSR, 1965. 247 p. (MIRA 18:11)

VOLOBUYEV, V.R.

Studying the salt loss from soils by the leaching of monoliths. Dokl. AN Azerb. SSR 21 no.5:62-66 '65. (MIRA 18:9)

1. Institut pochvovedeniya i agrokhimii AN AzerSSR.

VOLOBUYEV, V.R.

Using graphic method for studying the composition of humus in the main soil types of the U.S.S.R. Pochvovedenie no.1: 3-6 Ja '62. (MIRA 17:1)

1. Institut pochvovedeniya i agrokhimii AN AzSSR.

VOLOBUYEV, Vladimir Rodionovich; SALAYEV, M.E., red.; BUYANOVSKIY, G., red.izd-va; DZHAFAROV, Kh., tekhn. red.

[Soil ecology] Ekologiia pochv; ocherki. Baku, Izd-vo AN Azerbaidzhanskoi SSR, 1963. 259 p. (MIRA 17:1)

VOLOBUYEV', V.R. (Baku)

"Hydrothermal Zonation in Its Energic Aspect"

Report presented at the 3rd Conference on the use of Mathemetics in Biology, Leningrad University, 23-28 Jan. 1961.
(Primeneniye matematicheskikh Metodov v Biologii. II, Leningrad, 1963 pp 5-11)

ALIKHANOV, E.N.; ARUSHANOV, N.A.; AKHUNDOV, V.Yu.; ALIZADE, M.A.; AZIZBEKOV, Sh.A.; BAGIROV, M.A.; VEZIROV, S.A.; VOLOBUYEV, V.R.; VEKILOV, F.M.; GADZHIYEV, N.M.; GUSEYNOV, D.M.; GUSEYNOV, I.A.; DADASHEV, K.K.; DADASHZADE, M.A.; DALIN, M.A.; ISKENDEROV, M.A.; KAZIYEV, M.A.; KARAYEV, A.I.; KASHKAY, M.S.; KEL'DYSH, M.V.; KERIMOV, A.G.; LEMBERANSKIY, A.D.; MAMEDOV, G.K.; MEKHTIYEV, M.R.; MIRZOYEV, S.A.; NAGIYEV, M.F.; NASRULLAYEV, N.I.; OGUDZHEV, A.K.; RADZHABOV, R.A.; RUDNEV, K.N.; SADYKHOV, R.N.; SEMENOV, N.N.; TOPCHIYEV, A.V.; TOPCHIBASHEV, M.A.; TAIROVA, T.A.; KHALILOV, Z.I.; EFENDIYEV, G.Kh.; SHUKYUROVA, Z.Z.

IUsif Geidarovich Mamedaliev. Azerb.khim.zhur. no.6:5-6 '61.
(MIRA 15:5)
(Mamedaliev, IUsif Geidarovich, 1905-1961)

VOLOBUYEV, V.R.

Change in the silica, alumina, and iron content of soils in connection with hydrothermal conditions. Pochvovedenie no.5: 73-82 My '62. (MIRA 15:6)

1. Institut pochvovedeniya i agrokhimii AN Azerbaydzhanskoy SSR.
(Minerals in soil)

ALIKHANOV, F.N.; ARUSHANOV, N.A.; AKHUNDOV, V.Yu.; ALIZADE, M.A.; AZIZBEKOV, Sh.A.; BAGIROV, M.A.; VEZIROV, S.A.; VOLOBUYEV, V.R.; BEKILOV, F.M.; GADZHIYEV, N.M.; GUSEYNOV, D.M.; GUSEYNOV, I.A.; DADASHEV, R.L.; DADASHZADE, M.A.; DALIN, M.A.; ISKENDEROV, M.A.; KAZIYEV, M.A.; KARAYEV, A.I.; KASIMOV, M.S.; KEL'DYSH, M.V.; KERIMOV, A.G.; LEMBERANSKIY, A.D.; MAMEDOV, G.K.; MEKHTIYEV, M.R.; MIRZOYEV, S.A.; NAGIYEV, M.F.; NESRULLAYEV, N.I.; ORUDZHEV, A.K.; RADZHABOV, R.A.; RUDNEV, K.N.; SADYKHOV, R.N.; SEMENOV, N.N.; TOPCHIYEV, A.V.; TOPCHIBASHEV, M.A.; TAIROVA, T.A.; KHALILOV, Z.I.; EFENDIYEV, G.Kh.; SHUKYUROVA, Z.Z.

Iusif Geidarovich Mamedaliev; obituary. Dokl. AN Azerb. SSR 17 no.12:1123-1126 '61. (MIRA 15:2)
(Mamedaliev, Iusif Geidarovich, 1905-1961)

VOLOBUYEV, V.R.; AGAYEV, B.M., red.; DZHAFAROVA, A., red. izd-va; ISMAYLOV, T., tekhn. red.

[Ecological and genetic analysis of the soil cover of Azerbaijan] Ekologo-geneticheskii analiz pochvennogo pokrova Azerbaidzhana. Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1962. 72 p. (MIRA 15:7)
(Azerbaijan--Soils--Classification)

VOLOBUYEV, V.R., akad., red.; KEGAMYAN, V., red. izd-va; ISMAYLOV, T., tekhn. red.

[System of measures for land improvement through irrigation for a fluvial alluvial cone; as exemplified in the Geokchay River alluvial cone in the Shirvan Steppe, Azerbaijan S.S.R.] Sistema irrigatsionno-meliorativnykh meropriiatii dlia rechnogo konusa vynosa; na primere konusa vynosa reki Geokchai v Shirvanskoi stepi Azerbaidzhanskoi SSR. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 145 p. (MIRA 15:5)

1. Akademiya nauk Azerbaidzhanskoy SSR, Baku. Sovet po izucheniyu proizvoditel'nykh sil.

(Kura Lowland—Irrigation)

VOLOBUYEV, V.R.

Component water of the geographical shell. Pochvovedenie no.11: 1-6 N '61. (MIRA 14:12)

1. Institut pochnovedeniya i agrokhimii AN AzSSR.
(Soil moisture) (Precipitation (Meteorology))

VOLOBUYEV, V.R.; BUYANOVSKIY, G.A.

Salt differentiation in alluvial fans. Pochvovedenie no.1: 53-60 Ja '63. (MIRA 16:2)

1. Institut pochvovedeniya i agrokhimii, Baku.
(Azerbaijan—Saline and alkali soils)

VOLOBUYEV, V.R.

Problems in qualitative evaluation of soils in Azerbaijan. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:89-99 '61. (MIRA 14:6)
(Azerbaijan—Soils—Classification)

VOLOBUYEV, V.R.

Classification of Azerbaijanian soils. Izv.AN Azerb. SSR. Ser. biol. i med.nauk no.1:3-15 '60. (MIRA 14:5)
(AZERBAIJAN--SOILS--CLASSIFICATION)

VOLOBUYEV, V.R.

PHASE I BOOK EXPLOITATION SOV/5475

USSR. Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri

Teplovoy i vodno-ratsionnyy powerkhozti (Thermal and Water Regime of the Earth's Surface) Kand.geol.-Gidrometeoizdat, 1960. 191 p. Errata slip inserted. 600 copies printed.

Sponsoring Agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Eds.(Title page): I. P. Gerasimov, Academician, M. I. Budyko, Doctor of Physics and Mathematics, and A. P. Kalitsov, Doctor of Geographical Sciences; Ed.: M. M. Tsangorodskaya; Tech. Ed.: M. I. Braydina.

PURPOSE: This publication is intended for geophysicists, geographers, climatologists, agronomists, and agriculturists.

COVERAGE: The seventeen articles contained in this publication represent condensed versions of reports presented at the Conference on the Heat and Water Regime of the Earth's Surface, convened by the Glavnaya geofizicheskaya observatoriya im. A. I. Voyeykova (Main Geophysical Observatory imeni A. I. Voyeykov) in April 1959. Individual articles deal with the investigation of the thermal balance of the earth's surface, problems of the genesis of climate related to heat and moisture exchange, the indicators of heat and water balance in agriculture, and problems related to the effect of hydrometeorological factors upon complex geographical processes and phenomena. No personalities are mentioned. References follow individual articles.

Card 1/5

Gerasimov, I. P., and Yu. L. Rauner [Institut geografii AN SSSR -- Institute of Geography, AS USSR]. The State and the Tasks of Investigating the Heat Balance of a Forest 29

Card 2/5

Kalinin, G.P. [Tsentral'nyy institut prognozov -- Central Institute of Weather Forecasting]. General Reasons for the Investigation of Water Balance 42

Popov, O.V., and V.I. Kunstler (Gosudarstvennyy gidrologicheskiy institut -- State Hydrological Institute). Experimental Investigation of the Elements of the Water Balance on Dry Land 45

Lvovich, M.I. [Institute of Geography, AS USSR]. Methods of Runoff Investigation on the Basis of Water Balance 62

Bulgakovskiy, A.K. [Institute of Geography, AS USSR]. Investigation of the Water Balance of Soil 71

Kaltsov, A.P. [Institute of Geography, AS USSR]. The State and the Tasks of the Studies of the Genesis of Climate 82

Sterin, N.Ye. [Main Geophysical Observatory imeni A.I. Voyeykova]. Basic Problems of the Theory of Climate 96

Kalitsov, A.P. Exchange in the Atmosphere [Main Geophysical Observatory imeni A.I. Voyeykov]. 107

Card 3/5

Tikhomirov, M.P. [Main Geophysical Observatory imeni A.I. Voyeykov]. Heat Balance and the Microclimate. 120

Grigor'yev, A.A. [Academician, Institute of Geography, AS USSR]. The Role of Heat and Moisture Exchange in the Structure and Development of the Geographic Zonality (Belt) in the Lowlands of the Temperate Zone) and Their Significance in the Productivity of Agricultural Crops 128

Gerasimov, I.P. [and G.S. Fuzeline, Institute of Geography, AS USSR]. Hydrothermal Factors in Soil Formation 144

Tolmachev, V.N. [Akademiya nauk Azerbaydzhanskoy SSR -- AS Azerbaydzhanskaya SSR]. Total Expenditure of Energy for Soil Formation in Relation to the Hydrothermal Conditions 162

Lavrenko, Ye. M. [Botanicheskiy institut AN SSSR--Botanical Institute, AS USSR]. Hydrothermal Factors and the Geography and Ecology of the Vegetation Cover 180

Dmitriyev, P.P. [Central Institute of Weather Forecasting]. Water and Heat Regime of the Bulk and Some Problems of Agriculture 186

VOLOBUYEV, V.R.

Classification of soils in Azerbaijan. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.3:3-16 '60. (MIRA 13:7)
(AZERBAIJAN--SOILS--CLASSIFICATION)

VOLOBUYEV, V.R.

Soil zones of Eurasia. Izv. AN SSSR. Ser. biol. no. 4:542-549 Jl-Ag '60. (MIRA 13:8)

1. Institut pochvovedeniya i agrokhimii Akademii nauk AzerbSSR.
(SOILS—MAPS)

VOLOBUYEV, V.R.

Natural gradiations in moisture content. Dokl. AN Azerb. SSR 16 no. 11:1093-1096 '60. (MIRA 14:2)

1. Institut pochvovedeniya i agrokhimii AN AzerSSR.
(Soil moistures)

VOLOBUYEV, V.R., akademik

A month in Ghana. Vest. AN SSSR 31 no. 2:86-89 F '61.
(MIRA 14:2)

1. AN Azerbaydzhanskoy SSR.
(Ghana--Soils)

VOLOBUYEV, V. R.

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1. AN AzerSSR.
(Transcaucasia--Research)

VOLOBUYEV, Yu.M.

Results of neurotenorrhaphy on the upper extremities. Zdrav. Turk. 6 no.1:21-24 Ja-F '62. (MIRA 15:4)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B.Bayriyev) Turkmenskogo gosudarstvennogo meditsinskogo instituta.
(EXTREMITIES, UPPER--SURGERY) (NERVES--SURGERY)
(SUTURES) (TENDONS--SURGERY)

VOLOBUYEV, Yu. M.

VOLOBUYEV, Yu M.--"Vegetative Shifts in Appendicitis."*(Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions.) Turkmen Medical Inst imeni I. V. Stalin, Ashkhabad, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 55

* For Degree of Candidate in Medical Sciences

VOLOBUYEV, Yu.M., kand.meditsinskikh nauk

Plastic surgery of skull defects by means of organic glass (plexiglas). Zdrav. Turk. 4 no. 2:24-28 Mr-Ap '60.
(MIRA 13:10)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B. Bayriyev) Turkmenskogo gosudarstvennogo meditsinskogo instituta im. I.V. Stalina.
(SKULL--SURGERY) (PLEXIGLAS--THERAPEUTIC USE)

VOLOBUYEV, Yu.M., kand.med.nauk

Some peculiarities of appendicitis. Zdrav. Turk. 4 no.5:33-38 S '60. (MIRA 13:12)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B.Bayriyev) Turkmenskogo gosudarstvennogo meditsinskogo instituta imeni I.V.Stalina.
(APPENDICITIS)

RUSTAMOV, I.; VOLOBUYEV, Yu.M., kand.med.nauk

Influence of cervical novocaine block on the condition of rabbits with a closed cerebrospinal wound. Zdrav. Turk. 5 no.2:3-6 Mr-Ap '61. (MIRA 14:5)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B.Bayriyev) Trukmenskogo gosudarstvennogo meditsinskogo instituta imeni I.V.Stalina.
(NOVOCAINE) (BRAIN--WOUNDS AND INJURIES)

VOLOBUYEV, Yu.M.; SOLTANOV, B.S.

Treatment of thermal burns. Zdrav. Turk. 7 no.11:8-11 N'63
(MIRA 17:3)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B. Bayriyev) Turkmenskogo gosudarstvennogo meditsinskogo instituta i Turkmenskoy respublikanskoy klinicheskoy bol'nitsy imeni Pirogova. (glavnyy vrach M.B. Shapiro).

VOLOBUYEV, Yu.M.

Treatment of spasmodic torticollis. Zdrav. Turk. 7 no.3: 19-21 Mr'63. (MIRA 16:6)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B. Bayriyev) Turkmenskogo gosudarstvennogo meditsinskogo instituta Turkmenskoy Respublikanskoy klinicheskoy bol'nitsy imeni N.I.Pirogova (glavnyy vrach M.B.Shapiro).
(NECK—ABNORMITIES AND DEFORMITIES)

VOLOBUYEV, Yu.M.

Treatment of spasmodic torticollis. Zdrav. Turk. 7 no.3: 19-21 Mr'63. (MIRA 16:6)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B. Bayriyev) Turkmenskogo gosudarstvennogo meditsinskogo instituta Turkmenskoy Respublikanskoy klinicheskoy bol'nitsy imeni N.I.Pirogova (glavnyy vrach M.B.Shapiro).
(NECK—ABNORMITIES AND DEFORMITIES)

VOLOBUYEV, Yu.M., kand.med.nauk

Torsion of part of the omentum simulating appendicitis in a patient with left-side location of the appendix. Zdrav. Turk. 5 no.6:25 N-D '61. (MIRA 15:2)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B.Bayriyev) Turkmenskogo gosudarstvennogo meditsinskogo instituta.
(APPENDIX (ANATOMY)) (OMENTUM--DISEASES)

VOLOBUYEV-ARTEMOV, M.S., professor; ARKHANGEL'SKIY, N.N., professor, redaktor; YEGOROV, A.I., professor, redaktor; NEKRASOV, F.M., tekhnicheskiy redaktor

[Lectures on problems of methods in economic geography; the course "Introduction to economic geography".] Lektsii po voprosam metodologii ekonomicheskoi geografii; kurs "Vvedenie v ekonomicheskuiu geografiiu" Khar'kov, Izd-vo Khar'kovskogo gos.univ. imeni A.M.Gor'kogo. Pt. 1. 1954. 179 p.
(Geography, Economic) (MLRA 9:2)

1. VOLOBUYEV-Artemov, M.S.

2. USSR (600)

4. Geography, Economic

7. Additional data on methodological principles of economic geography and on the fight against the remnants of Hettner's priciyples, Izv.Vses.geog.ob-va 85 no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

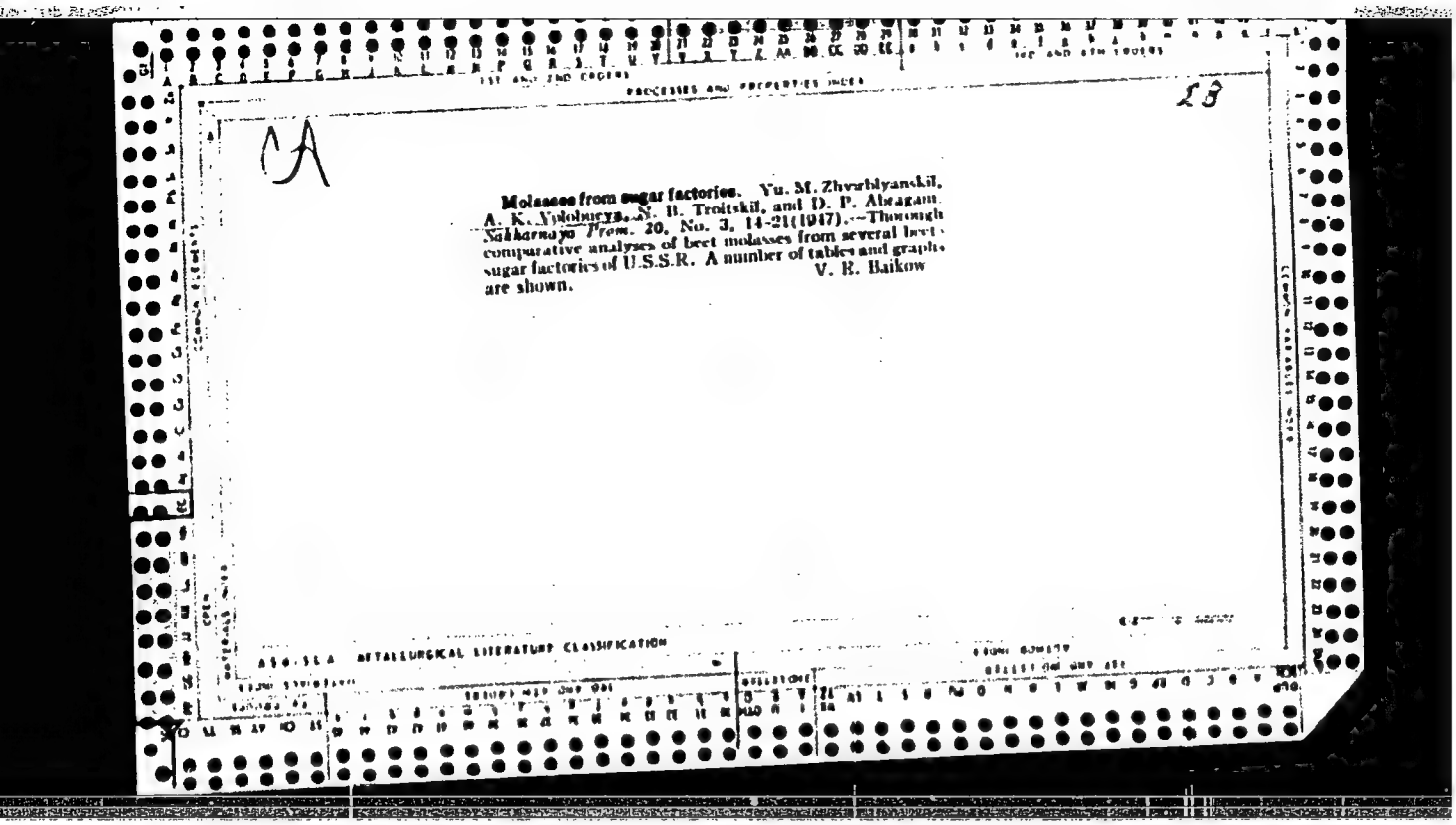
VOLOBUYEVA, A. K.

CH

Laboratory investigation of the possibility of crystallizing sugar without boiling the sirup. Yu. M. Zhvirblyanskii; A. K. Volobueva, and D. R. Abragam. *Trudy Vsesoyuz. Nauch.-Issledovatel. Inst. Sakhar. Prom.* 1953, No. 2, 134-65; *Referat. Zhur., Khim.* 1955, No. 1308.—Lab.-scale tests showed the possibility of obtaining cryst. sugar by cooling the sirup to 30° and seeding with a highly dispersed cryst. mass.

M. Hosch

(2)



CA

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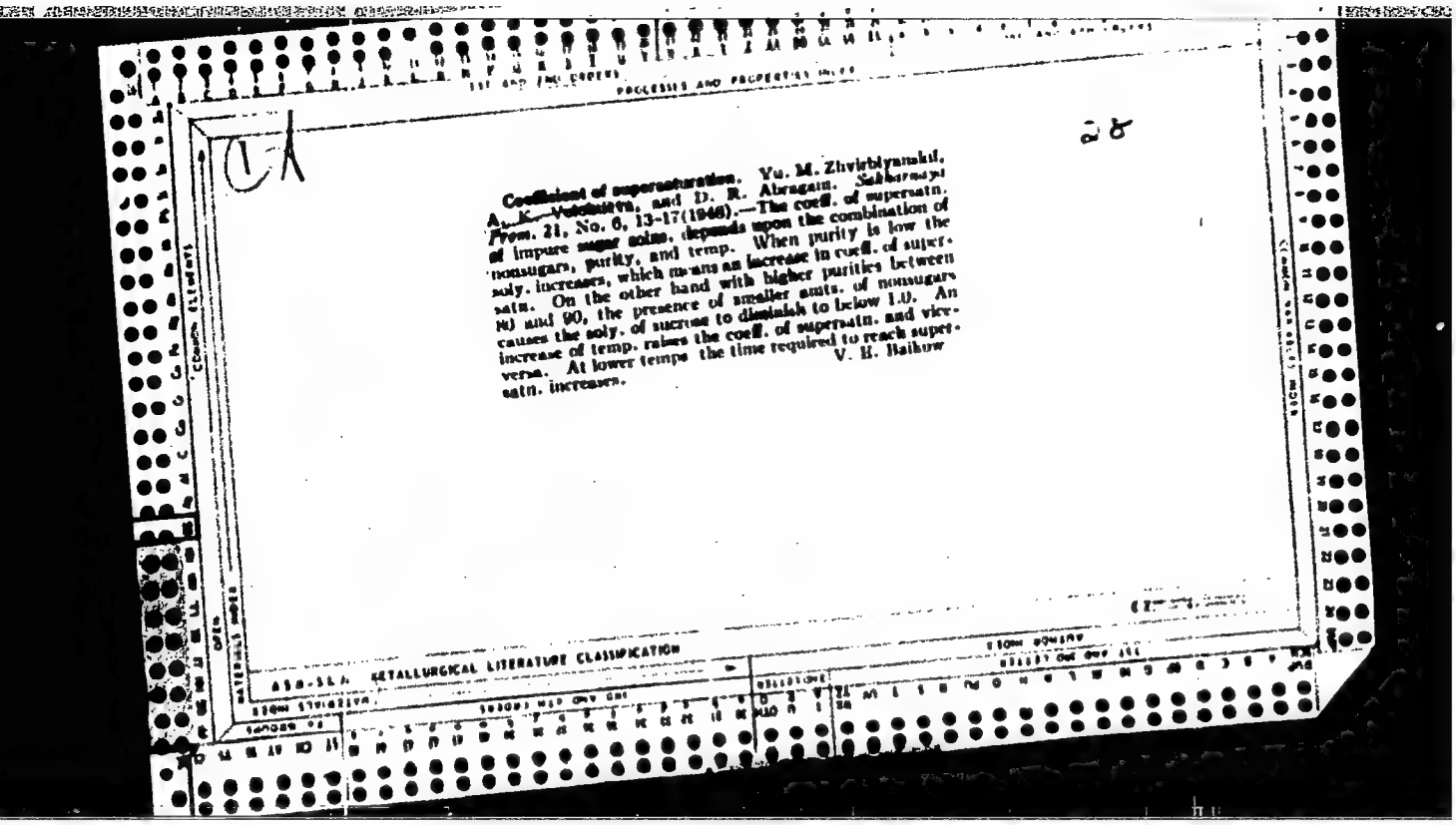
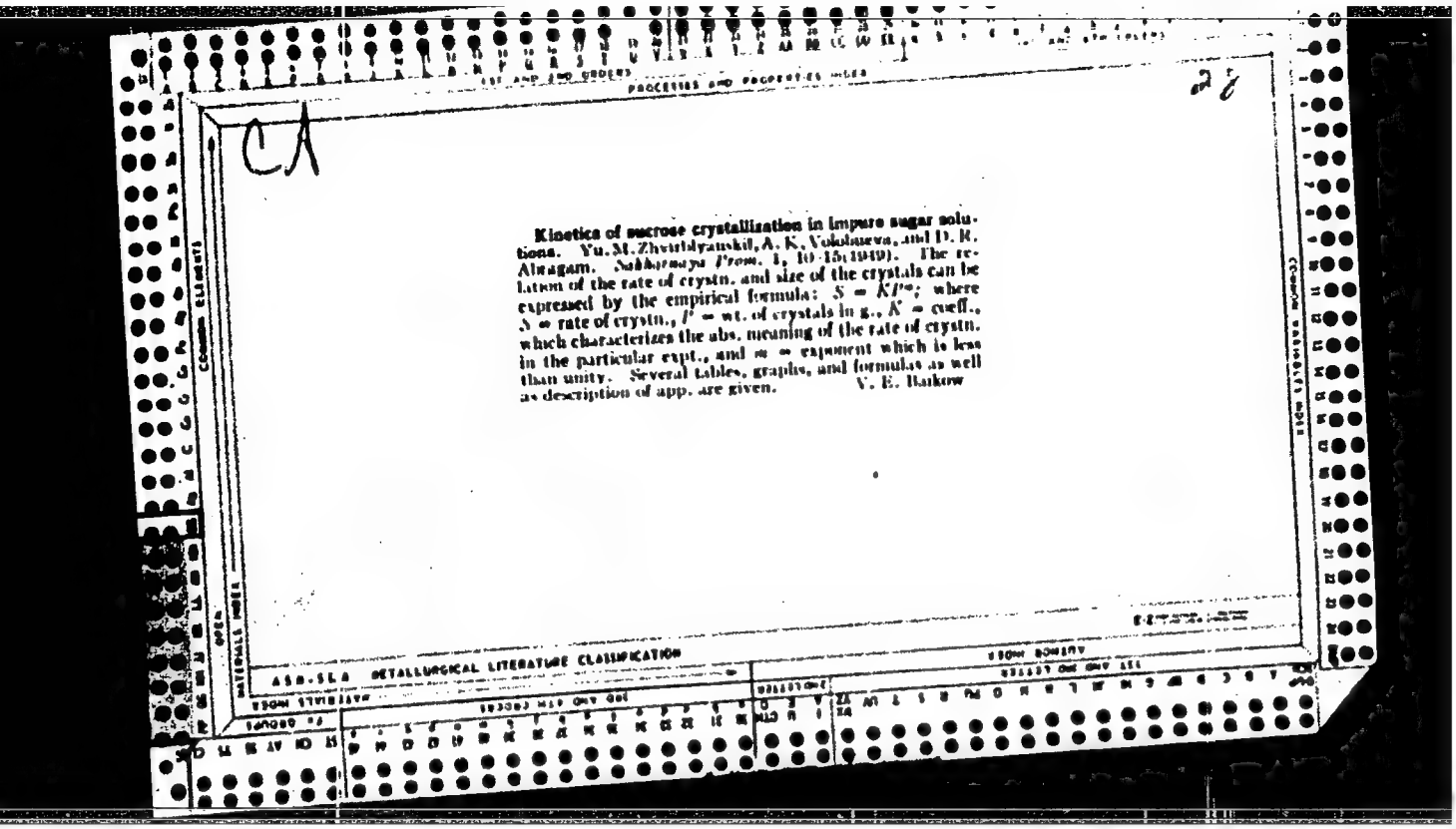
Molasses from sugar factories. Yu. M. Zhvarblyanskii, A. K. Yuloburya, N. B. Troitskii, and D. P. Abagam. *Sakharnaya Prom.* 20, No. 3, 14-21(1947).—Thorough comparative analyses of beet molasses from several beet-sugar factories of U.S.S.R. A number of tables and graphs are shown.
V. B. Baikow

ASTIA METALLURGICAL LITERATURE CLASSIFICATION



Coefficient of supersaturation. Yu. M. Zhvirblyanskii, A. K. Vedishcheva, and D. R. Abragam. *Sakharnaya Prom.* 21, No. 6, 13-17(1946).—The coeff. of supersatn. of impure sugar solns. depends upon the combination of nonsugars, purity, and temp. When purity is low the soly. increases, which means an increase in coeff. of supersatn. On the other hand with higher purities between 80 and 90, the presence of smaller amts. of nonsugars causes the soly. of sucrose to diminish to below 1.0. An increase of temp. raises the coeff. of supersatn. and vice-versa. At lower temps the time required to reach supersatn. increases.

V. K. Baibow



CA

Kinetics of sucrose crystallization in impure sugar solutions. Yu. M. Zhuritlyanskii, A. K. Volobueva, and D. R. Alnagam. *Sakharnaya Prom.* 1, 10-15(1949). The relation of the rate of crystn. and size of the crystals can be expressed by the empirical formula: $S = KI^{\alpha}$; where S = rate of crystn., I = wt. of crystals in g., K = coeff., which characterizes the abs. meaning of the rate of crystn. in the particular expt., and α = exponent which is less than unity. Several tables, graphs, and formulas as well as description of app. are given. V. E. Barkow

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

CHAIKINA, O. A. (Candidate of Veterinary Sciences, All-Union Scientific Research Institute of Animal Husbandry), (VOLOBUEVA, K. A.) (Moscow Veterinary Academy).

Volobueva, K.A.

"Aurofeed-2 in fattening of swine"

Veterinariya, vol. 39, no. 9, September 1962, p. 58

CHAYKINA, O.A., kand.veterin.nauk; VOLOBUYEVA, K.A.

Aureomycin preparation No. 2 for fattening pigs. Veterinariia 39 no.9:58-60 S '62. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva (for Chaykina). 2. Moskovskaya veterinarnaya akademiya (for Volobuyeva).

VOLOBUYEVA N.P.

HUBIN, B.A.; PEREVYAZKINA, L.M.; VOLOBUYEVA, N.P.

Oxidizing transformation of tanning agents and their relation to the resistance of the cotton plant to wilting. Vest.Mosk.un. 7 no.12:63-75 D '52. (MLRA 7:9)

1. Kafedra fiziologii rastenii.
(Cotton) (Plants, Effect of tanning agents on)

OTASPL No 65

Rubin, B.A. and Volobueva, N.I. (M.V. Lomonosov Moscow State University). The activity of polyphenoloxidase of tissues of the cotton plant in connection with the plant's resistance to the fungus *Verticillium albo-atrum*, 637-8

Akademiya Nauk S S.S.R., Doklady Vol. 79 No.4

SOV/110-59-5-13/25

AUTHORS: Dasoyan, M.A., Candidate of Technical Sciences and Volobuyeva, Ye.I., Engineer

TITLE: The Influence of Electrolyte Temperature on the Corrosion of Lead and its Alloys (Vliyaniye temperatury elektrolita na korroziyu svintsa i yego splavov)

PERIODICAL: Vestnik elektropromyshlennosti, 1959, Nr 5, p 48 (USSR)

ABSTRACT: There is a tendency for operating temperatures and acid concentrations in lead accumulators to increase and this may be expected to lead to increased corrosion. The work that has been published on this subject relates to pure lead and 8% lead-antimony alloy, which is not a very satisfactory material. A search is now being made for more suitable materials for the positive grids of accumulators. Preliminary results show that under normal test conditions with an electrolyte specific gravity of 1.27 and temperature of 25°C, good results are obtained with alloys of lead-antimony-silver, lead-calcium-silver and lead-cadmium-silver. In addition to having good

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The Influence of Electrolyte Temperature on the Corrosion of Lead and its Alloys

resistance to corrosion under normal conditions; they have a higher hydrogen evolution potential than the normal alloys. It was accordingly decided to make corrosion tests on the alloys mentioned in the table, using acid of 1.27 specific gravity. The method of anode oxidation was used, the sample being anode-polarised for 3 to 4 weeks and weighed after removal of corrosion products. Corrosion was assessed from weight loss. The test results are tabulated and show that higher electrolyte temperatures cause accelerated corrosion of lead and ordinary lead-antimony alloy, whereas the corrosion of alloys with additions of silver, calcium and cadmium does not increase much. This should be taken into account in the design of accumulator grids for operation at higher temperatures. There is 1 table and 1 Soviet reference.

VOLOBUYEVA, G.V.

Problem of chronic diseases of the parotid glands in children. Pediatriia, Moskva No.1:22-24 Jan-Feb 51. (CIML 20:6)

1. Of the Children's Clinic of the Therapeutic Faculty (Director--Prof.N.I.Osinovskiy), Second Moscow Medical Institute imeni I.V. Stalin and of the 10th Children's Polyclinic of Moskvoretskiy Rayon (Director--Ye.I.Rabinovich), Moscow.

VOLOBUYEVA, N. T.

and RUBIN, B. A. "Acitivity of Polyphenoloxidases of Cotton Tissues in Connection with the Resistance of the Plant to the Organism Verticillium albo-artum," Doklady Akademii Nauk SSSR, vol. 79, Aug. 1, 1951, pp. 637-638/ 511 P444A

So: Sira 81-90-53, 15 Dec. 1953

VOLOBUYEVA, N.P

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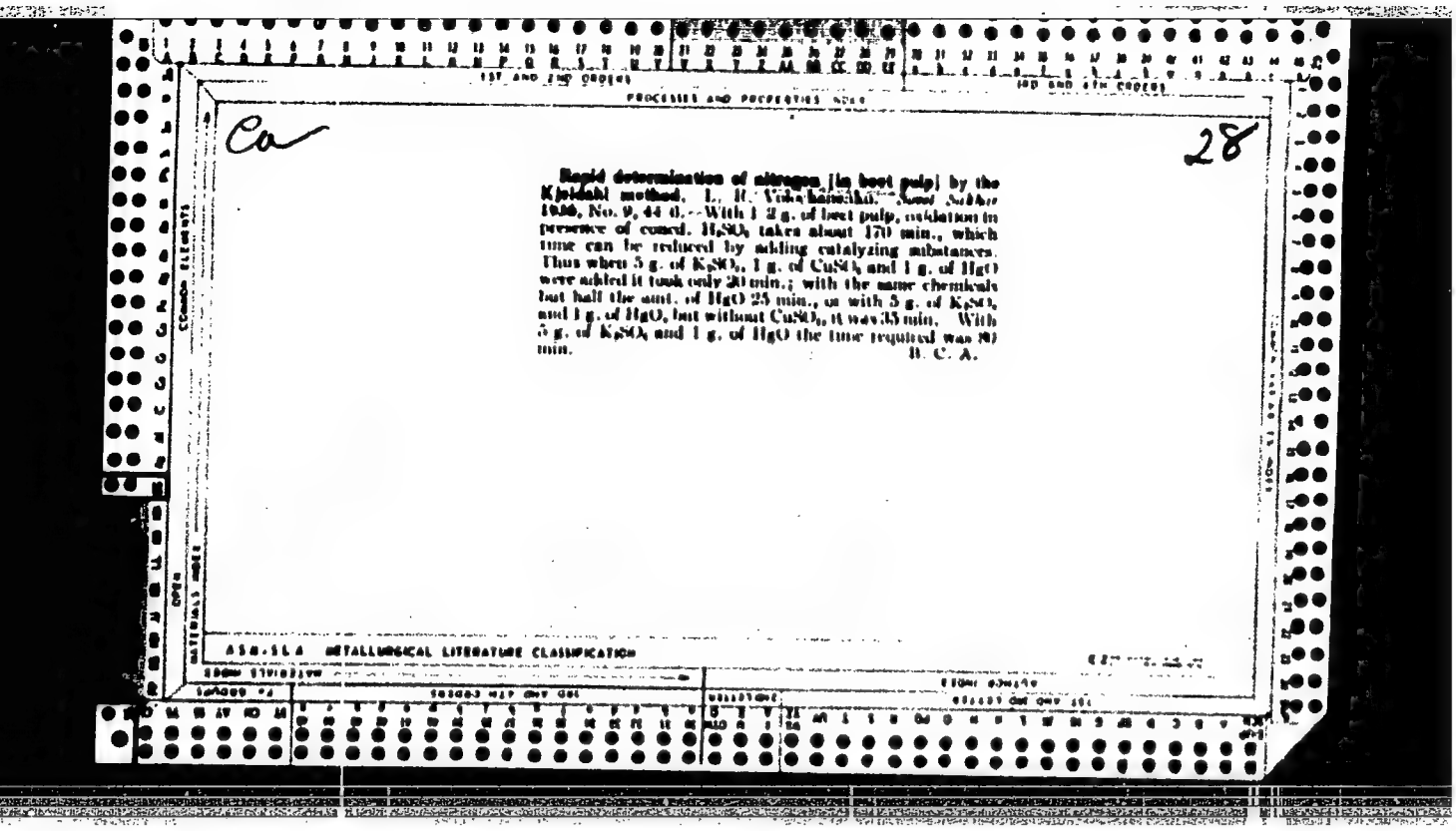
Oxidative changes of the tannic substances and their relationship to the stability of cotton to wilt. B. A. Rubin, L. M. Perevyazkina, and N. P. Volobueva. *Vestnik Moskov. Univ.* 7, No. 12, *Ser. Fiz.-Mat. i Estestven. Nauk* No. 8, 63–76(1952); cf. *C.A.* 45, 10314c.—Authors have studied content of tannic substances, of polyphenols, and activity of polyphenol oxidase with pyrogallol substrate. Enzyme activity is detd. manometrically with the Warburg app. They find that stable varieties of cotton can mobilize tannic substances from the leaves to the roots and that oxidative processes in the stable plants are increased. There are corresponding losses of tannic substances and sol. polyphenols from the leaves in the stable varieties. They find that wilt resistance is not due to any abs. content of tannic substances, as some previous authors have believed. Data for stable and unstable varieties, both control and infected plants, is clearly tabulated and graphed to show the plant's defensive mobilization. Tannide content increases in the infected plants at the expense of the sol. polyphenols. Authors' findings agree with previous work of Grbanov (*Izvest. Akad. Nauk S.S.S.R., Ser. Biol.*, 1949, 503–18). Previous investigation has shown oxidation products of polyphenols to be toxic for fungi. Reduced O content in the medium also helps to inhibit growth of fungi.

A. W. Daly



Ca

28

Rapid determination of nitrogen [in beet pulp] by the Kjeldahl method. L. H. Vishkinskiĭ. *Sovet Sakhar* 1936, No. 9, 44 ff.—With 1 g. of beet pulp, oxidation in presence of concd. H_2SO_4 takes about 170 min., which time can be reduced by adding catalyzing substances. Thus when 5 g. of K_2SO_4, 1 g. of $CuSO_4$ and 1 g. of HgO were added it took only 30 min.; with the same chemicals but half the amt. of HgO 25 min., as with 5 g. of K_2SO_4 and 1 g. of HgO, but without $CuSO_4$, it was 35 min. With 5 g. of K_2SO_4 and 1 g. of HgO the time required was 80 min.

B. C. A.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

VOLOCHANINOVA, L.N. (Leningrad)

Changes in the sugar curve in diphtherial intoxication following the administration of bromine and caffeine. Pat.fiziol. i eksp.terap. 3 no.4:73-74 Jl-Ag '59. (MIRA 12:12)

1. Iz kafedry patofiziologii (zav. - prof. N.T. Shutova) Leningradskogo pediatricheskogo meditsinskogo instituta.
(CORYNEBACTERIUM DIPHTHERIAE)
(BLOOD SUGAR)
(BROMIDES pharmacology)
(CAFFEINE pharmacology)

VOLOCHAYEV, A. D.

VOLOCHAEV, A. D.

Apparatus for the treatment of knee dislocation in tuberculous gonitis in children. Sovet med. No. 6, June 50. p. 32-3

1. Of the Yevpatoriya Central Clinical Sanatorium (Head— N. I. Shevchenko).

CLML 19, 5, Nov., 1950

VOLOCHAYEV, F.Ya.

Formation of the pre-ore relief in the Lipetsk iron-ore region. Mat.po geol.i pol.iskop.tsentr. raion.evrop.chasti SSSR no.5:83-87 '62. (MIRA 16:6)
(Lipetsk region--Landforms)

AFENDUL'YEV, A.A.; PEREKHVATOV, V.K.; SHIVANOV, V.N.; VOLOCHAYEV, I.A.; KRYLOV, A.Ya.

[Student's manual of calculations and diagrms in structural mechanics] Posobie dlia studentov po vypolneniiu raschetno-graficheskikh rabot po stroitel'noi mekhanike. Gor'kii, Inzhenerno-stroit. in-ta im. V.P.Chkalova. Pt.2. 1964. 196 p. (MIRA 18:2)

VOLOCHAYEV, S.D., inzh.; BUKHKALO, Ye.S., inzh.

Small M-1m sinking pump. Shakht. stroi. 5 no.7:17 Jl '61.
(MIRA 15:6)

1. Krivorozhskiy gornorudnyy institut (for Volochayev).
2. Gosudarstvennyy institut po proyektirovaniyu oborudovaniya po dobyche i obogashcheniyu rud (for Bukhkalo).
(Mine pumps)

VOLOCHAYEV, S.D., inzh.; BUKHKALO, Ye.S., inzh.

PGSh-15 hinged air-operated loader for sinking and deepening shafts. Shakht. stroi. 6 no.5:14-16 My '62. (MIRA 15:7)

1. Krivorozhskiy gornorudnyy institut (for Volochayev). 2. Gosudarstvennyy institut po proyektirovaniyu obrudovaniya po dobyche i obogashcheniyu rud (for Bukhkalo).
(Shaft sinking--Equipment and supplies)

VOLOCHAYEV, V.Ya.

Analcite streaks in "neyvit" veins as a prospecting indication for "rezhikit" asbestos deposits. Biul. nauch.-tekh. inform VIMS no.2:10-11 '63. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

MAKAROV, M.S., dotsent; VOLOCHENKO, N.V.

Echinococcosis of the spine and a rib simulating a parasitic cyst of the right lung and the posterior mediastinum. Uch. zap. Stavr. gos. med. inst. 8:226-231 '63 (MIRA 17:7)

1. Kafedra gospital'noy khirurgii (zav. - prof. P.M. Kovalevskiy) Stavropol'skogo meditsinskogo instituta (rektor zasluzhennyy deyatel' nauki, prof. V.G. Budylin) i ortopedo-travmatologicheskoye otdeleniye 4-y gorodskoy bol'nitsy Stavropolya (glavnyy vrach A.A. Tarasova).

VOLOCHENKO, V.N., kandidat tekhnicheskikh nauk

Working out methods of testing welded crossed rod joints. Svar. proizv. no.6:25-27 Je '55. (MLRA 8:9)
(Welding--Testing)

VOLOCHKOVA, Z.F.

An experiment in fertilizing spring and winter wheat under irrigation in the Rostov province. Doklady Vsesoyuz. Akad. Sel'skokhoz. Nauk im. V.I.Lenina 18, No.4, 16-21 '53. (MLRA 6:4)
(CA 47 no.22:12721 '53)

1. Rostov State Selection Sta.

VOLOCHKOVA, Zinaida Fedorovna; BONDARENKO, Aleksandr Pavlovich; YAROSLAVSKAYA, E.L., redaktor; MESKULOVA, M.N., tekhnicheskiy redaktor

[How to use fertilizers for grain crops] Kak primeniat' udobreniia pod zernovye kul'tury. Rostov-na-Donu, Rostovskoe kn-vo, 1955. 40 p. (Fertilizers and manures) (MLRA 10:1)

COUNTRY : USSR
CATEGORY : Soil Science. Organic Fertilizers. J

ABS. JOUR. : RZhBiol., No. 3 1959, No. 10701

AUTHOR : Volochkova, Z. F.
INST. : Zernograd State Breeding and Selection Station
TITLE : The Influence of Organic-Mineral Mixtures of the Yield of Crops.

ORIG. PUB. : Sb. nauchn. rabot. Zernogradsk. gos. selekts. st., 1957, vyp. 2, 127-133

ABSTRACT : Experiments carried out at Zernograd (Rostov oblast') Breeding and Selection Station in 1951-1956 showed that applications, before one of the cultivations of fallow, of a mixture of small amounts of rotted manure (4-6 centners to 1 hectare) and P_c (1.1.5 centners to 1 hectare) increases the yield of winter wheat as much as 20 tons of manure. With the separate application, the effect of these amounts was considerably lower. Organic-mineral mixture combined with the application with the seeds of small doses (30-50 kilograms to 1 hectare) of granular P_c, produced a high increase in the yield of winter wheat (5 centners to 1 hectare). -- O. P. Mikhaylova

CARD: 1/1

1. VOLOCHKOVA, Z. F.

2. USSR (600)

4. Wheat - Rostov Province

7. Applying fertilizers to spring and fall wheat in irrigation farming in Rosov Province. Dokl. Akad. sel'khoz. 18, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953. Unclassified.

1. VOLOCHKOVA, Z. F.

2. USSR (600)

4. Rostov Province - Wheat

7. Applying fertilizer to spring and fall wheat in irrigation farming in Rostov Province. Dokl. Akad. sel'khoz. 18, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

1. VOLOCHKOVA, Z.F.

2. USSR (600)

4. Fertilizers and Manures

7. Applying fertilizer to spring and fall wheat in irrigation farming in Rostov Province, Dokl.Akad.sel'khoz. 18 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

VOLOCHKOVA, Z. P.

Bondarenko, C. P. and Volochkova, Z. P. "Experience in using clay-gypsum mixtures to improve solonetz soils in Rostov Oblast", Sbornik nauch. rabot (Rost. gos. selekts. stantsiya) Issue 1, 1948, p. 35-51.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

VOLOCHKOVA, Z. F.

Bondarenko, A. P. and Volochkova, Z. F. "Experience from composting manure with phosphorite", Sbornik nauch. rabot (Rost. gos. selekts. Stantsiya), Issue 1, 1947, p. 23-34, - Bibliog: 5 items.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

VOLOCHKOVA, Z. F.

Bondarenko, A. P. and Volochkova, Z. F. "Results of tests of the effect of manure on the yield of field crops", Sbornik nauch. rabot (Rost. gos. selekts. stantsiya), Issue 1, 1946, p. 3-22.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

KOPTEV-DVORNIKOV, V.S., doktor geol.-miner.nauk, otv. red.;
RUB, M.G., doktor geol.-miner. nauk, otv. red.;
VOLOCHKOVICH, K.L., red.

[Accessory minerals and elements as a criterium of the comagmatic and metallogenetic specialization of magmatic complexes] Aktsessornye mineraly i elementy kak kriterii komagmatichnosti i metallogenicheskoi spetsializatsii magmaticheskikh kompleksov. Moskva, Nauka, 1965. 189 p.
(MIRA 18:12)

1. Akademiya nauk SSSR. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii.

VOLOCHKOVICH, K.L.

Structural significance of the Tigirek-Chuya shear zone in the Gornyy Altai.

(Altai Mountains--Geology, Structural)

VOLOCHKOVICH, K.L.

Basic geological problems of the southeastern part of the rare-metal zone in the Gornyy Altai and the structural position of rare-metal deposits. Krat. soob. IMGRE no.1:125-127 '60. (MIRA 17:3)

VOLOCHKOVICH, K. L.

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PHASE I BOOK EXPLOITATION SOV/5740

Akademiya nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov

Voprosy mineralogii, geokhimii i genezisa mestorozhdeniy redkikh elementov (Problems in Mineralogy, Geochemistry, and Deposit Formation of Rare Elements) Moscow, Izd-vo AN SSSR, 1960. 253 p. (Series: Its: Trudy, vyp. 4) Errata printed on the inside of back cover. 2,200 copies printed.

Chief Ed.: K. A. Vlasov, Corresponding Member, Academy of Sciences USSR;
Resp. Ed.: V. V. Lyakhovich; Ed. of Publishing House: L. S. Tarasov;
Tech. Ed.: P. S. Kashina.

PURPOSE: This book is intended for geologists, mineralogists, and petrographers.

COVERAGE: This is a collection of 23 articles on the formation, geology, mineralogy, petrography, and geochemistry of deposits of rare elements in Siberia and [Soviet] Central Asia. The distribution and characteristics of rare elements found in these areas as well as some quantitative and qualitative methods of investigating the rocks and minerals in which they are found.

Card 1/6

SOV/5740

Problems in Mineralogy (Cont.)

or with which they are associated, are discussed. Two articles present an economic investigation of the possibilities of industrial extraction and utilization of selenium, tellurium, and hafnium. No personalities are mentioned. Each article is accompanied by references.

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SOV/5740

Problems in Mineralogy (Cont.)

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Problems in Mineralogy (Cont.)

Loginova, L. A. Experiment in Measuring the Optical Constants of Germanite and Renierite 224

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Kaganovich, S. Ya. Hafnium (Economic Survey) 246

AVAILABLE: Library of Congress

Card 6/6

JA/Cmr/mas
11-14-61

VOLOCHKOVICH, K.L.; LEONT'YEV, A.N.

Distribution of areas with Paleozoic magmatic features in the structure of the Talitsa-Mongolo-Altaic geoanticlinal upheaval. Dokl. AN SSSR 147 no.1:177-180 N '62. (MIRA 15:11)

1. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Predstavleno akademikom D.I. Shcherbakovym.
(Altai Mountains—Rocks, Igneous)

VOLOCHKOVICH, K.L.

Concerning V.I.Fominskii's article "New data on the Ordovician stratigraphy of the Gronyy Altai." Sov. geol. 3 no.6:160-161 Je '60. (MIRA 13:11)

1. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov AN SSSR.
(Altai Mountains--Geology, Stratigraphic)
(Fominskii, V.I.)

VOLOCHKOVICH, K.L.

Stratigraphy and tectonics of the extreme northwestern part of Mongolia (the area of the Tsagan-Shibetu, Kharkhira, and Saylyugem Ranges). Biul. MOIP. Otd. geol. 36 no.1:3-23 Ja-F '61. (MIRA 14:5)

(Mongolia—Geology)

DMITRIYEVA, V.K.; VOLOCHKOVICH, K.L.

Method for correlating mute lower Paleozoic sediments in the southeastern part of the Charysh-Terek anticlinorium in the Gornyy Altai. Trudy VAGT no.4:92-98 '58. (MIRA 12:6)
(Altai Mountains--Geology, Stratigraphic)

LEONT'YEV, A.N.; VOLOCHKOVICH, K.L.

Characteristics of the spatial distribution of pegmatite deposits in the Mongolian Altai anticlinorium. Trudy IMGRE no.8:5-19 '62. (MIRA 16:1)

(Altai Mountains--Pegmatites)
(Altai Mountains--Metals, Rare and minor)

VOLOCHKOVICH, Kirill L'vovich; LEONT'YEV, Anatoliy Nikolayevich; LEONT'YEV, L.N., doktor geol.-miner. nauk, otv. red.

[Talitsa-Mongolian-Altai metallogenic zone] Talitsko-Mongolo-Altaiskaia metallogenicheskaia zona. Moskva, Nauka, 1964. 181 p. (MIRA 17:12)

BRODOVITSKIY, V. Ye.; VOLOCHKOVICH, M.A.

Preparation of foam plastic from lignin-furfurole resins. Khim. i fiz.-khim. prirod. i sint. polim. no.1:231-233 '62
(MIRA 18:1)

VOLOCHKOVICH, M. A.

23379 Tsvetnaya Rezinovaya Smes' Dlya Obuvi Goryachey Vulkanizatsii. Legkaya Prom-st', 1949, No. 6, c. 27.

SO: LETOPIS NO. 31, 1949

Use of carbon black in plastic masses for hot vulcanization. H. A. VOLOCHKOVICH and YA. V. NAIDOL'SKY. *Lyglaya Prom.*, 1930, No. 2, 23; *Translated Contents Lists of Russian Periodicals*, 1930, No. 13, 34. 4811'g

ACCESSION NR: AR4015703 S/0081/63/000/023/0594/0594

SOURCE: RZh. Khimiya, Abs. 23T250

AUTHOR: Bronovitskiy, V. Ye; Volochkovich, M. A.

TITLE: Production of foam plastic from lignin-furfural resin

CITED SOURCE: Sb. Fizika i khimiya prirodn. i sintetich. polimerov. Vy*p. I. Tashkent, AN UzSSR, 1962, 231-233

TOPIC TAGS: foam plastic, plastic, polymer, resin, lignin, furfural, lignin furfural resin

TRANSLATION: In order to obtain foam plastic from lignin-furfural resin, dried lignin was ground for 5-6 hrs. on a ball grinder, sifted through a sieve with 900 openings/cm^2 and placed in an autoclave, where it was activated for 2 hrs. at 170C and 9-10 atm. with a 15% solution of NaOH (8 liters of alkali per kg of lignin). After cooling the activated lignin to 70-75C, furfural was added in a ratio of 1:4 and the mixture was placed in an autoclave (with a reflux condenser), where polycondensation was carried out at 96-100C

Card 1/2

ACCESSION NR: AR4015703

for 2.5-3 hrs. The resin obtained was neutralized with 20% HCl, washed with water and dried by pressing out the excess water with rollers. The resin has a black color, dissolves in alcohol and acetone, the dropping temperature according to Ubellod is 62C, moisture content $\leq$ 3%, rate of hardening of a plate at 150C $\leq$ 90 sec., life $\leq$ 2 months. Foam plastic based on lignin-furfural resin was obtained by mixing the following components (parts by wt.) for 30 minutes on water-cooled rollers: 100 lignin-furfural resin, 8 porofor ChKhZ-5 and 5 ammonium sulfate, added in that order. Foaming of the mixture was accomplished in 1-1.2 min. for 1 mm without pressing in a special hermetic mold at 150-160C. Foam plastic from lignin furfural resin has a density of 0.2-0.06 g/cc, a working temperature of 140-150C, ultimate compressive strength of 3.3 kg/cm^2, coefficient of thermal conductivity of 0.063 kcal/m·hour·degree, and water absorption in 20 days of 0.17 g/cm^2. It is noted that foam plastic from lignin-furfural resin can be used for thermal insulation in construction. L Kotlyarevskaya.

DATE ACQ: 09Jan64 SUB CODE: MT ENCL: 00

Card 2/2

S/117/63/000/002/002/006
A004/A101

AUTHOR: Volochkovich, Yu. G.

TITLE: Instrument for testing the microhardness of large-size cylindrical components

PERIODICAL: Mashinostroitel', no. 2, 1963, 16

TEXT: A team of scientific workers of the Laboratory of Wear Resistance of the Institut mashinovedeniya Gosudarstvennogo Komiteta Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (Institute of the Science of Machines of the State Comittee for Automation and Mechanical Engineering at the Council of Ministers USSR) has developed and produced a portable device for testing the microhardness of large-size cylindrical components. The following technical specifications are given: microscope magnifying power - 485 diam., multiplying factor of one graduation on the drum of the MOB 1-15 (MOV1-15) screw-type eyepiece micrometer with OM9 objective (A = 0.65) - 3μ, linear field of view of the microscope - 0.25 mm, free distance between lower objective cutoff and object - 1 mm, load in grams - 100, 200 and 500, instrument weight in operating condition - 6 kg, diameter

Card 1/2

S/117/63/000/002/002/006
A004/A101

Instrument for testing the microhardness of...

of rolls to be tested - 200 - 2,000 mm, minimum distance between measuring spot and roll edge - 100 mm. The author presents a brief description of the functioning of the device. The indentor tip is a diamond pyramid with a square base; the summit angle between the opposite faces is 136°. There are 3 figures.

Card 2/2

VOLOCHKOVICH, Yu.G.

Device for microhardness tests of large cylindrical parts.
Mashinostroitel' no.2:16 F '63. (MIRA 16:3)
(Testing machines)

VOLOCHNEV, V.

New regulations for maintaining and operating streetcars and trolley buses.. Zhil.-kom.khoz. 10 no.6:11-12 '60. (MIRA 13:7)

1. Nachal'nik Upravleniya gorodskogo elektrotransporta Ministerstva kommunal'nogo khozyaystva RSFSR.
(Streetcars--Maintenance and repair)
(Trolley buses--Maintenance and repair)

VOLOCHNEV, V.; CHERTOK, M.

Servicing of streetcars. Zhil.-kom. khoz. 12 no.3:24-25 Mr '62.
(MIRA 15:10)

(Streetcars--Maintenance and repair)

VOLOCHNEV, V.A.

VOLOCHNEV, V.A., mashinist; PAVLOV, F.T., byvshiy brigadir slesarey, pensioner; SHCHIPITSYN, F.G.; POLULEKH, V.K.; KRASAVIN, M.D.

Stages in the great path. Elek. i tepl. tiaga no.11:38-40 N '57. (MIRA 10:11)

1. Elektrovoznoye depo Zlatoust, Yuzhnyy Ural. 2. Nachal'nik elektrovoznogo depo Zlatoust, Yuzhnyy Ural (for Polulekh). 3. Glavnyy inzhener elektrovoznogo depo Zlatoust, Yuzhnyy Ural (for Krasavin). 4. Sekretar' partbyuro elektrovoznogo depo Zlatoust, Yuzhnyy Ural. (for Shchipitsyn).

(Zlatoust--Locomotives--Maintenance and repair)
(Russia--Revolution, 1917-1921)

YEFREMOV, I.S., doktor tekhn. nauk; REKITAR, R.A., inzh.; ROZENBERG, S.V., kand. ekon. nauk; BLATNOV, M.D., kand. tekhn. nauk; VIL'KONETSKIY, M.S., inzh.; TOMILIN, A.I., inzh.; POPELYASH, V.N., inzh.; ZAGAYNOV, N.A., kand. tekhn. nauk; FINKEL'SHTEYN, B.S., inzh.; MARINOV, I.A., inzh.; ISTRATOV, V.P., inzh.; MARGOLIN, I.S., inzh.; ENGEL'S, G.G., inzh.; ANTONOV, V.A., inzh.; SOKOLOV, V.D., inzh.; KLESHCHINSKIY, B.K., inzh.; IL'INSKIY, A.I., retsenzent; PAPKOV, N.G., retsenzent; SMIRNOV, G.M., retsenzent; SHPOLYANSKIY, M.N., otv. red. toma; VOLOCHNEV, V.N., red.; TROFIMOV, A.N., red.; RACHEVSKAYA, M.I., red. izd-va; LELYUKHIN, A.A., tekhn. red.

[Technical manual on city electric transportation in three volumes] Tekhnicheskii spravochnik po gorodskomu elektrotransportu v trekh tomakh. Redkollegiia: V.N.Volochnev, A.N. Trofimov, M.N.Shpolianskii. Moskva, Izd-vo M-va kommun. khoz. RSFSR. Vol.1. [City electric transportation (general part)] Gorodskoi elektricheskii transport (obshchaia chast'). Otv. red. toma M.N.Shpolianskii. 1961. 726 p. (MIRA 15:4)
(Streetcars) (Trolley buses)

MOLODYKH, Igor' Aleksandrovich; TREGUBENKO, Mikhail Grigor'yevich; CHERTOK, Mark Semenovich; VOLOCHNEV, V.K., red.

[Manual for studying the Regulations for the Maintenance of Trolleybuses] Posobie dlia izucheniia Pravil tekhnicheskoi ekspluatatsii trolleibusov. Moskva, Trotizdat, 1964. 226 p. (MIRA 17:8)

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Preparation and properties of barium salts of 1,5-dinitro-2-naphthol-7-sulfonic acid. E. P. Yolochneva. *Zhur. Obshchei Khim.* (J. Gen. Chem.) 10, 1529-31(1940).—The yellow Ba salt of 1,5-dinitro-2-naphthol-7-sulfonic acid forms in neutral and weakly acid solns.; its compn. is $[C_{10}H_4(OH)(NO_2)_2SO_3]_2Ba$ and it forms *tetra-*, *hexa-* and *heptahydrates;* its soly. is 0.2693 g./100 ml. H_2O at 19°. The red salt forms from the alk. solns. of the yellow salt of Ca or NH_4 by addn. of $BaCl_2$ with addn. of any alkali; it is also obtained by addn. of NH_4OH to the yellow salt; the red salt is $Ba[OC_{10}H_4(NO_2)_2SO_3]$ or $Ba_3[OC_{10}H_4(NO_2)_2SO_3]_2$, does not form hydrates, and its soly. in H_2O is 0.0583 g. at 17°; it cannot be heated in H_2O, as the products of hydrolysis are more sol. than the salt itself. The formation of the red salt from the yellow NH_4 salt appears to proceed by intermediate formation of a mixed Ba-NH_4 salt and goes slowly. Although the *red salt may be used* for the *detection* of *Ba*, its soly. is higher than that of $BaSO_4$ and its usefulness is limited. G. M. K.

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